



Advanced Acoustics 5mm/10kg Acoustic Soundproofing Mat Data Sheet

Material Description

Advanced Acoustics 5mm Soundproofing Mat is a flexible polyolefin sound barrier mat. This unique PVC free material has a proprietary polymer structure composed of a blend of polymers compounded with mineral fillers. It can be made use of as the sole sound absorption layer or as part of a multilayer composite with other materials.

Key Benefits

- Environmentally Sustainable: Manufactured from pre and post industrial waste sources.
- Sustainable: 100% recyclable at the end of it's life.
- Safer Disposal: poses fewer environmental risks and has a higher potential for mechanical recycling.
- Free from PVC, Plasticizers and Stabilizers.
- Clean and Non-staining.
- Low tack easy to cut.
- Free from Lead.
- Free from Bitumen.

Typical Properties

Size	1.2m x 2m
Specific Gravity	1.80 gm/cc
Weight	10kg/m ²
Thickness	5.56mm
Hardness	76 (Durometer Shore A, 1 sec dwell)
Tensile Strength	1.2mpA (JISK6251)



Elongation at break >100% (JISK6251)

Dimensional Stability <2% (4hr @ 100 oC)

Surface Tension >44 dynes/cm

Flammability <80 mm/min (FMVSS 302)

Acoustic Properties (Airborne Sound Insulation) – to ISO R140 Free Hanging Curtain

100Hz – 20 R(db)

200Hz – 20

500Hz – 28

1000Hz – 32

2000Hz – 36

4000Hz – 40